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Sequence Listing was accepted.

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Reviewer: Anne Corrigan

Timestamp: [year=2008; month=10; day=14; hr=7; min=23; sec=39; ms=299; ]

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Application No: 10581564

Version No: 1.1

**Input Set:****Output Set:****Started:** 2008-10-14 07:19:24.067**Finished:** 2008-10-14 07:19:26.059**Elapsed:** 0 hr(s) 0 min(s) 1 sec(s) 992 ms**Total Warnings:** 30**Total Errors:** 0**No. of SeqIDs Defined:** 30**Actual SeqID Count:** 30

Error code	Error Description
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W 213	Artificial or Unknown found in <213> in SEQ ID (4)
W 213	Artificial or Unknown found in <213> in SEQ ID (5)
W 213	Artificial or Unknown found in <213> in SEQ ID (6)
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W 213	Artificial or Unknown found in <213> in SEQ ID (9)
W 213	Artificial or Unknown found in <213> in SEQ ID (10)
W 213	Artificial or Unknown found in <213> in SEQ ID (11)
W 213	Artificial or Unknown found in <213> in SEQ ID (12)
W 213	Artificial or Unknown found in <213> in SEQ ID (13)
W 213	Artificial or Unknown found in <213> in SEQ ID (14)
W 213	Artificial or Unknown found in <213> in SEQ ID (15)
W 213	Artificial or Unknown found in <213> in SEQ ID (16)
W 213	Artificial or Unknown found in <213> in SEQ ID (17)
W 213	Artificial or Unknown found in <213> in SEQ ID (18)
W 213	Artificial or Unknown found in <213> in SEQ ID (19)
W 213	Artificial or Unknown found in <213> in SEQ ID (20)

**Input Set:**

**Output Set:**

**Started:** 2008-10-14 07:19:24.067  
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**Actual SeqID Count:** 30

Error code

Error Description

This error has occurred more than 20 times, will not be displayed

# SEQUENCE LISTING

<110> SCHREIBER, JOHN R.

<120> HUMAN ANTI-PSUEDOMONAS AERUGINOSA ANTIBODIES DERIVED FROM TRANSGENIC XENOMOUSE

<130> ABX-CW/2

<140> 10/581,564

<141> 2006-06-02

<150> PCT/US2004/040594

<151> 2004-12-03

<150> 60/527,524

<151> 2003-12-05

<160> 30

<170> PatentIn Ver. 3.3

<210> 1

<211> 42

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic primer

<400> 1

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42

<210> 2

<211> 27

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic primer

<400> 2

gcactcacta gtacatttgc gctcaac

27

<210> 3

<211> 35

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic primer

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<210> 4  
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<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic  
primer

<400> 4  
gggaattcat ggagyttggg ctgasctggs tttyt 35

<210> 5  
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<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic  
primer

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gggaattcat grammwactk tgkwscwysc tyctg 35

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<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic  
primer

<400> 6  
gaggtrcagy tgctcgagtc tggrg 25

<210> 7  
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<220>  
<223> Description of Artificial Sequence: Synthetic  
primer

<400> 7  
cagackcagy tgctcgagtc tgggrgc 27

<210> 8

<211> 24  
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<220>  
<223> Description of Artificial Sequence: Synthetic  
primer  
  
<400> 8  
caggtgcagc tgctcgagtc gggc 24

<210> 9  
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<213> Artificial Sequence  
  
<220>  
<223> Description of Artificial Sequence: Synthetic  
primer  
  
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gaggtgcagc tgctcgagtc tgg 23

<210> 10  
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<213> Artificial Sequence  
  
<220>  
<223> Description of Artificial Sequence: Synthetic  
primer  
  
<400> 10  
caggwgcagc tgctcgagtc kggg 24

<210> 11  
<211> 27  
<212> DNA  
<213> Artificial Sequence  
  
<220>  
<223> Description of Artificial Sequence: Synthetic  
primer  
  
<400> 11  
cccaagcttc atcagatggc gggaaga 27

<210> 12  
<211> 35  
<212> DNA  
<213> Artificial Sequence  
  
<220>

<223> Description of Artificial Sequence: Synthetic  
primer

<400> 12

gggaattcat ggacatgrrr dycchvggkc asctt

35

<210> 13

<211> 120

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic  
antibody

<400> 13

Gln Val Gln Leu Gln Glu Ser Gly Pro Gly Leu Val Lys Pro Ser Glu  
1 5 10 15

Thr Leu Ser Leu Thr Cys Thr Val Ser Gly Gly Ser Ile Ser Ser Tyr  
20 25 30

Tyr Trp Ser Trp Ile Arg Gln Pro Ala Gly Lys Gly Leu Glu Trp Ile  
35 40 45

Gly Arg Ile Tyr Thr Ser Gly Asn Thr Asn Tyr Lys Pro Ser Leu Lys  
50 55 60

Ser Arg Val Thr Met Ser Val Asp Thr Ser Lys Asn Gln Phe Ser Leu  
65 70 75 80

Lys Leu Ser Ser Val Thr Ala Ala Asp Thr Ala Val Tyr Tyr Cys Ala  
85 90 95

Arg Glu Val Met Val Arg Gly Val Thr Phe Asp Tyr Trp Gly Gln Gly  
100 105 110

Thr Leu Val Thr Val Ser Ser Ala  
115 120

<210> 14

<211> 118

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic  
antibody

<400> 14

Gln Val Gln Leu Gln Glu Ser Gly Pro Gly Leu Val Lys Pro Ser Glu  
1 5 10 15

Thr Leu Ser Leu Thr Cys Thr Val Ser Gly Gly Ser Val Ser Asp Tyr  
20 25 30

Tyr Trp Ser Trp Ile Arg Gln Pro Pro Gly Lys Gly Leu Glu Trp Ile  
 35 40 45  
 Gly Tyr Ile Tyr Tyr Ser Gly Ser Thr Asn Tyr Asn Pro Ser Leu Lys  
 50 55 60  
 Ser Arg Val Thr Ile Ser Val Asp Thr Ser Lys Asn Gln Phe Ser Leu  
 65 70 75 80  
 Lys Leu Ser Ser Val Thr Ala Ala Asp Thr Ala Val Tyr Tyr Cys Ala  
 85 90 95  
 Arg Asp Gly Ser Val Pro Pro Gly Ile Tyr Trp Gly Gln Gly Thr Leu  
 100 105 110  
 Val Thr Val Ser Ser Ala  
 115

<210> 15  
 <211> 123  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: Synthetic  
 antibody

<400> 15  
 Gln Val Gln Leu Val Glu Ser Gly Gly Gly Val Val Gln Pro Gly Arg  
 1 5 10 15  
 Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Arg Tyr Gly  
 20 25 30  
 Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val Ala  
 35 40 45  
 Val Ile Trp Tyr Asp Gly Asn Lys Lys Tyr His Ala Glu Ser Val Lys  
 50 55 60  
 Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr Leu  
 65 70 75 80  
 Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Ala  
 85 90 95  
 Arg Gly Gly Phe Gly Glu Leu Pro His Leu Tyr Gly Met Asp Val Trp  
 100 105 110  
 Gly Gln Gly Thr Thr Val Thr Val Ser Ser Ala  
 115 120

<210> 16  
 <211> 122



<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic  
antibody

<400> 16

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Lys Pro Gly Gly  
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Val Ser Gly Phe Thr Phe Ser Asn Ala  
20 25 30

Trp Met Ser Trp Val Arg Gln Thr Pro Gly Lys Gly Leu Glu Trp Val  
35 40 45

Gly Arg Ile Lys Ser Lys Thr Asp Gly Gly Thr Ile Asp Tyr Ala Ala  
50 55 60

Pro Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asp Ser Lys Asn Thr  
65 70 75 80

Leu Tyr Leu Gln Met Asn Ser Leu Lys Thr Glu Asp Thr Ala Val Tyr  
85 90 95

Tyr Cys Thr Lys Phe Tyr Tyr Gly Ser Gly Ser Tyr Gly Tyr Trp Gly  
100 105 110

Gln Gly Thr Leu Val Thr Val Ser Ser Ala  
115 120

<210> 17

<211> 121

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic  
antibody

<400> 17

Gln Val Gln Leu Gln Gln Ser Gly Pro Gly Leu Val Lys Pro Ser Gln  
1 5 10 15

Thr Leu Ser Leu Thr Cys Ala Ile Ser Gly Asp Ser Val Ser Ser Asn  
20 25 30

Ser Ala Ala Trp Asn Trp Ile Arg Gln Ser Pro Ser Arg Gly Leu Glu  
35 40 45

Trp Leu Gly Arg Thr Tyr Tyr Arg Ser Lys Trp Tyr Asn Asp Tyr Ala  
50 55 60

Val Ser Val Lys Ser Arg Ile Thr Ile Asn Pro Asp Thr Ser Lys Asn  
65 70 75 80

Gln Phe Ser Leu Gln Leu Asn Ser Val Thr Pro Glu Asp Thr Ala Val  
85 90 95

Tyr Tyr Cys Ala Arg Gly Tyr Tyr Tyr Gly Met Asp Val Trp Gly Gln  
100 105 110

Gly Thr Thr Val Thr Val Ser Ser Ala  
115 120

<210> 18

<211> 123

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic  
antibody

<400> 18

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Lys Pro Gly Gly  
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Asn Ala  
20 25 30

Trp Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val  
35 40 45

Gly Arg Ile Lys Ser Lys Thr Asp Gly Gly Thr Thr Asp Tyr Ala Ala  
50 55 60

Pro Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asp Ser Lys Asn Thr  
65 70 75 80

Leu Tyr Leu Gln Met Asn Ser Leu Lys Thr Glu Asp Thr Ala Val Tyr  
85 90 95

Tyr Cys Thr Thr Tyr Tyr Tyr Asp Ser Ser Gly Tyr Tyr Tyr Tyr Trp  
100 105 110

Gly Gln Gly Thr Leu Val Thr Val Ser Ser Ala  
115 120

<210> 19

<211> 122

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic  
antibody

<400> 19

Glu Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Glu

1	5	10	15
Ser Leu Lys Ile Ser Cys Lys Gly Phe Gly Tyr Ser Phe Ala Ser Tyr			
20	25	30	
Trp Ile Gly Trp Val Arg Gln Met Pro Gly Lys Gly Leu Glu Trp Met			
35	40	45	
Gly Asn Ile Tyr Pro Gly Asp Ser Tyr Thr Ile Tyr Ser Pro Ser Phe			
50	55	60	
Gln Gly Gln Val Ala Ile Ser Ala Asp Lys Ser Ile Ser Thr Ala Tyr			
65	70	75	80
Leu Gln Trp Asn Ser Leu Lys Ala Ser Asp Thr Ala Met Tyr Tyr Cys			
85	90	95	
Ala Arg Arg Gly Phe Ser Gly Arg Ser Tyr Asp Ala Phe Glu Ile Trp			
100	105	110	
Gly Gln Gly Thr Met Val Thr Val Leu Ala			
115	120		

<210> 20

<211> 125

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic  
antibody

<400> 20

Gln Val His Leu Gln Glu Ser Gly Pro Gly Leu Val Lys Pro Ser Glu			
1	5	10	15
Thr Leu Ser Leu Thr Cys Thr Val Ser Gly Gly Ser Ile Thr Asn Phe			
20	25	30	
Tyr Trp Ser Trp Ile Arg Gln Ser Ala Gly Lys Gly Leu Glu Trp Ile			
35	40	45	
Gly Arg Ile Tyr Ile Ser Gly Thr Thr Asn Tyr Asn Pro Ser Leu Lys			
50	55	60	
Ser Arg Val Thr Met Ser Leu Asp Thr Ser Lys Asn Gln Phe Ser Leu			
65	70	75	80
Lys Leu Ser Ser Val Thr Ala Ala Asp Thr Ala Val Tyr Tyr Cys Ala			
85	90	95	
Arg Gly Gly Tyr Ser Ile Gly Trp Tyr Arg Asp Leu Gly Ser Phe Asp			
100	105	110	
Ile Trp Gly Gln Gly Thr Met Val Thr Val Ser Ser Ala			
115	120	125	

<210> 21  
<211> 117  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic  
antibody

<400> 21  
Gln Val Gln Leu Gln Glu Ser Gly Pro Gly Leu Val Lys Pro Ser Glu  
1 5 10 15  
Ser Leu Ser Leu Thr Cys Thr Val Ser Gly Gly Ser Val Ser Ser Tyr  
20 25 30  
Tyr Trp Ser Trp Ile Arg Gln Pro Ala Gly Lys Gly Leu Glu Trp Ile  
35 40 45  
Gly Leu Ile Tyr Thr Ser Gly Ser Thr Asn Tyr Asn Pro Ser Leu Lys  
50 55 60  
Ser Arg Val Thr Met Ser Val Asp Thr Ser Lys Asn Gln Phe Ser Leu  
65 70 75 80  
Lys Leu Ser Ser Val Thr Ala Ala Asp Ser Ala Val Tyr Tyr Cys Ala  
85 90 95  
Arg Ile Ala Ala Ala Gly Thr Asp Tyr Trp Gly Gln Gly Thr Leu Val  
100 105 110  
Thr Val Ser Ser Ala  
115

<210> 22  
<211> 113  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic  
antibody

<400> 22  
Asp Ile Val Met Thr Gln Ser Pro Leu Ser Leu Pro Val Thr Pro Gly  
1 5 10 15  
Glu Pro Ala Ser Ile Ser Cys Arg Ser Ser Gln Ser Leu Leu Phe Ser  
20 25 30  
Asn Glu Tyr Asn Phe Leu Asp Trp Phe Leu Gln Lys Pro Gly Gln Ser  
35 40 45  
Pro Gln Leu Leu Ile Tyr Leu Gly Ser Asn Arg Ala Ser Gly Val Pro

50

55

60

Asp Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Lys Ile  
65 70 75 80

Ser Arg Val Glu Ala Glu Asp Val Gly Val Tyr Tyr Cys Met Gln Ala  
85 90 95

Leu Gln Ile Pro Arg Thr Phe Gly Gln Gly Thr Lys Val Glu Ile Lys  
100 105 110

Arg

&lt;210&gt; 23

&lt;211&gt; 108

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

<223> Description of Artificial Sequence: Synthetic  
antibody

&lt;400&gt; 23

Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly  
1 5 10 15

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Gly Ile Arg Asn Val  
20 25 30

Leu Val Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Arg Leu Ile  
35 40 45

Tyr Ala Ala Ser Ser Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly  
50 55 60

Ser Gly Ser Gly Thr Glu Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro  
65 70 75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys Leu Gln His Asn Ser Tyr Pro Trp  
85 90 95

Thr Phe Gly Gln Gly Thr Lys Val Glu Ile Lys Arg  
100 105

&lt;210&gt; 24

&lt;211&gt; 114

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

<223> Description of Artificial Sequence: Synthetic  
antibody

&lt;400&gt; 24

Asp	Ile	Val	Met	Thr	Gln	Ser	Pro	Asp	Ser	Leu	Ala	Val	Ser	Leu	Gly
1				5					10					15	
Glu	Arg	Ala	Thr	Ile	Asn	Cys	Lys	Ser	Ser	Gln	Asn	Ile	Leu	Tyr	Asn
			20					25					30		
Ser	Asn	Asn	Asn	Asn	Tyr	Leu	Ala	Trp	Phe	Gln	Gln	Lys	Pro	Arg	Gln
		35					40					45			
Pro	Pro	Lys	Leu	Leu	Ile	Tyr	Trp	Ala	Ser	Thr	Arg	Glu	Ser	Gly	Val
		50				55					60				
Pro	Asp	Arg	Phe	Ser	Gly	Ser	Gly	Ser	Gly	Thr	Asp	Phe	Thr	Leu	Thr
65					70					75				80	
Ile	Asn	Ser	Leu	Gln	Ala	Glu	Asp	Val	Ala	Val	Tyr	Tyr	Cys	Gln	Gln
				85					90					95	
Tyr	Tyr	Ser	Ala	Pro	Leu	Thr	Phe	Gly	Gly	Gly	Thr	Lys	Val	Glu	Ile
			100					105					110		
Lys	Arg														

<210> 25

<211> 109

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic  
antibody

<400> 25

Glu	Ile	Val	Leu	Thr	Gln	Ser	Pro	Gly	Thr	Leu	Ser	Leu	Ser	Pro	Gly
1				5					10					15	
Glu	Arg	Ala	Thr	Leu	Ser	Cys	Arg	Thr	Ser	Gln	Ser	Val	Ser	Ser	Ile
			20					25				30			
Tyr	Leu	Ala	Trp	Tyr	Gln	Gln	Lys	Pro	Gly	Gln	Ala	Pro	Arg	Leu	Leu
			35				40					45			